

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-10 (canceled).

Claim 11 (previously presented): An apparatus for manufacturing an organic electroluminescence display, the organic electroluminescence display having a substrate, a first electrode layer formed on the substrate, an organic layer including a plurality of organic material layers stacked on the first electrode layer in a predetermined pattern and a second electrode layer formed on the organic layer, the apparatus comprising:

a first alignment mechanism for aligning a mask, having openings corresponding to the predetermined pattern, to the substrate and for detachably attaching the mask and the substrate;

a first formation unit including a plurality of vacuum processing chambers for sequentially forming the plurality of organic material layers on the substrate at a first color position with the substrate attached to the mask;

a second alignment mechanism for changing the alignment between the substrate and the mask, and for detachably attaching the substrate and the mask again; and

a second formation unit including a plurality of vacuum processing chambers for sequentially forming the plurality of organic material layers on the substrate at a second color position with the substrate attached to the mask,

wherein each of the vacuum processing chambers correspond to each of the organic material layers, and

wherein the second alignment mechanism is provided to connect the first formation unit and the second formation unit in series thereby providing flow-through processing.

Claims 12-13 (canceled).

Claim 14 (original): An apparatus for manufacturing an organic electroluminescence display as claimed in claim 11, further comprising a vacuum transfer chamber connecting the vacuum processing chambers, wherein the transferring mechanism is arranged in the vacuum transfer chamber.

Claim 15 (original): An apparatus for manufacturing an organic electroluminescence display as claimed in claim 11, further comprising an attachment fixture for attaching the substrate and the mask.

Claim 16 (original): An apparatus for manufacturing an organic electroluminescence display as claimed in claim 15, wherein the mask is formed of a magnetic material, and the attachment fixture is provided with a contact surface fully contacting a non-film formation surface side of the substrate, has at least the contact surface formed of a plate-shaped magnet, and has the substrate sandwiched between the mask and the contact surface attached with the mask by a magnetic force of the magnet.

Claim 17 (canceled).

Claim 18 (previously presented): An apparatus for manufacturing an organic electroluminescence display as claimed in claim 11, the apparatus further comprising:

a separating mechanism for separating the mask and the substrate after forming the second organic layer; and

a vacuum chamber for forming the second electrode layer on the substrate separated from the mask so as to cover the first and second organic layers.

Claim 19 (previously presented): An apparatus for manufacturing an organic electroluminescence display as claimed in claim 11, wherein the first and second alignment mechanisms comprise a mask support member configured to support the mask, a substrate support member configured to support the substrate, an attachment fixture support member configured to support the attachment fixture, and a movement mechanism for changing relative positions between the mask support member, the substrate support member, and the attachment fixture support member, whereby the mask and the substrate are aligned, attached, or separated.

Claim 20 (previously presented): An apparatus for manufacturing an organic electroluminescence display as claimed in claim 11, further comprising a loading unit including a plurality of vacuum processing chambers, the plurality of vacuum processing chambers including the first alignment chamber, wherein the loading unit is connected in series with the first formation unit by a transfer chamber, thereby providing flow-through processing.

Claim 21 (previously presented): An apparatus for manufacturing an organic electroluminescence display as claimed in claim 11, further comprising:

a third formation unit including a plurality of vacuum processing chambers for sequentially forming the organic material layers on the substrate at a third color position with the substrate attached to the mask; and

a third alignment chamber connecting the second formation unit to the third formation unit;

wherein the first formation unit, the second alignment chamber, the second formation unit, the third alignment chamber, and the third formation unit are connected in series.

Claims 22-24 (canceled).

Claim 25 (previously presented): An apparatus for manufacturing an organic electroluminescence display as claimed in claim 11, wherein each of the vacuum processing chambers includes a heating vessel holding an organic material for forming a layer on the substrate, wherein the layer is selected from the group consisting of: a hole injection layer, a hole transfer layer, a light emitting layer and an electric charge injection layer.

Claim 26 (previously presented): An apparatus for manufacturing an organic electroluminescence display as claimed in claim 15, wherein each of the vacuum processing chambers includes a fixture holder for holding the attachment fixture.

Claim 27 (previously presented): An apparatus for manufacturing an organic electroluminescence display, the organic electroluminescence display having a substrate, a first electrode layer formed on the substrate, an organic layer including a plurality of organic material layers stacked on the first electrode layer in a predetermined pattern and a second electrode layer formed on the organic layer, the apparatus comprising:

- a fixture loading chamber including an attachment fixture for attaching the substrate and the mask, the attachment fixture including a magnetic plate and grip portions connected to ends of the magnetic plate, the grip portions projecting outwardly from the ends of the magnetic plate;

- a first alignment mechanism for aligning a mask, having openings corresponding to the predetermined pattern, to the substrate and for detachably attaching the mask and the substrate;

- a first formation unit including a plurality of vacuum processing chambers for sequentially forming the plurality of organic material layers on the substrate at a first color position with the substrate attached to the mask;

- a second alignment mechanism for changing the alignment between the substrate and the mask, and for detachably attaching the substrate and the mask again; and

- a second formation unit including a plurality of vacuum processing chambers for sequentially forming the plurality of organic material layers on the substrate at a second color position with the substrate attached to the mask,

wherein each of the vacuum processing chambers correspond to each of the organic material layers,

wherein the second alignment mechanism is provided to connect the first formation unit and the second formation unit in series thereby providing flow-through processing,

wherein each of the first and second formation units include at least one fixture holder, and

wherein each of the first and second alignment mechanisms comprise

- a mask support member connected to a first elevating mechanism and configured to support the mask,

- a substrate support member connected to a second elevating mechanism and having a plurality of supports for supporting the substrate, the supports being arranged so as not to contact the mask support member when upper portions of the supports are elevated above upper portions of the substrate support member by at least one of the first and second elevating mechanisms,

a fixture holder attached to a third elevating mechanism and including holding portions, the fixture holder configured such that the grip portions of the attachment fixture rest on the holding portions of the fixture holder to suspend the attachment fixture therein, and

a controller for changing relative positions between the mask support member, the substrate support member, and the fixture holder, whereby the mask and the substrate are aligned, attached, or separated.

Claim 28 (previously presented): An apparatus for manufacturing an organic electroluminescence display as claimed in Claim 27, the apparatus further comprising:

a separating mechanism for separating the mask and the substrate after forming the second organic layer; and

a vacuum chamber for forming the second electrode layer on the substrate separated from the mask so as to cover the first and second organic layers.

Claim 29 (previously presented): An apparatus for manufacturing an organic electroluminescence display as claimed in Claim 27, further comprising a loading unit including a plurality of vacuum processing chambers, the plurality of vacuum processing chambers including the first alignment chamber, wherein the loading unit is connected in series with the first formation unit by a transfer chamber, thereby providing flow-through processing.

Claim 30 (previously presented): An apparatus for manufacturing an organic electroluminescence display as claimed in Claim 27, further comprising:

a third formation unit including a plurality of vacuum processing chambers for sequentially forming the organic material layers on the substrate at a third color position with the substrate attached to the mask; and

a third alignment chamber connecting the second formation unit to the third formation unit;

wherein the first formation unit, the second alignment chamber, the second formation unit, the third alignment chamber, and the third formation unit are connected in series.

Claim 31 (previously presented): An apparatus for manufacturing an organic electroluminescence display as claimed in Claim 27, wherein each of the vacuum processing chambers includes a fixture holder.